

APPENDIX C: Risk Assessment

Why is this document needed: Public Health England and the Health and Safety Executive require this documentation to ensure end to end health, safety and infection control risks for mass lateral flow testing are identified, pre-assessed, managed and monitored regularly by the site owners and testing operators

Assessment Date	08/01/2021	Lead Assessor	Keith Rendell	Contract		Assessment Number	V1
Activity / Task							
Description of task / process / environment being assessed	General and clinical activities on the asymptomatic testing site at <u>The Corbet School</u>						
Activities Involved	Traversing the site on foot Testing School staff and students					Location	
Who Might be affected	Employee ✓	Client ✓	Contractor ✓	Visitor ✓	Service User ✓		

Hazard Identification and evaluation

No	Hazards	Associated risks	Current Control/ Mitigation Measures	Risk Evaluation (post measures)			Additional control needed?
				Probability	Severity	Risk	Action No
1	Contact between subjects increasing the risk of transmission of COVID19	Transmission of the virus leading to ill health or potential death	<p>EXAMPLE OF MEASURES:</p> <ul style="list-style-type: none"> • Asymptomatic: All subjects are to be advised in advance not to attend if they have any symptoms of COVID 19, or live with someone who is showing symptoms of COVID 19 (including a fever and/or new persistent cough) or if they have returned within 14 days from a part of the world affected by the virus or have been in close contact with someone who is displaying symptoms. • Face masks: Prominent signage reminding attending subjects of the above to be displayed at the entrance to the building. • Face coverings/masks to be worn by subjects at all times whilst on the premises except for brief lowering at time of swabbing. • Requirement to wear face covering/mask to be reminded to all subjects in advance at time of test booking. • Compliance with wearing of face covering/mask of all subjects to be visually checked on arrival by reception / security staff. • Compliance with wearing of face covering/mask of all subjects to be visually checked through building by queue managers and all other staff. • Hand hygiene: All subjects to use hand 2anitizer provided on arrival & adherence to this enforced by reception staff. • Social distancing: Two metre social distancing to be maintained between subjects with measured floor markings in place to ensure compliance in addition to verbal reminders if necessary from reception, queue management & sampling staff. • A one-way flow of subjects through the building is to be initiated and maintained at all times. Compliance with this is to be ensured by queue management staff. • Cleaning: Regular cleaning of the site including wipe down of all potential touchpoints in accordance with PHE guidance. • Limited clutter-chairs only on request; no physical handing of documents to subjects except barcodes and PCR test kits for first 200 subjects 	1	4	4	No
2	Contact between subjects and staff increasing the risk of transmission of COVID19 : <u>Welcome & registration</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> • PPE to be worn by all testing team. Mask/ shield /gloves / apron • Testing room venue to have mandatory mask wearing except for during actual swabbing. • Wipes and sanitizer available at all sections of the testing process • Distancing to be maintained at all times 	1	4	4	No

3	Contact between subject and sampler increasing the transmission of COVID19: <u>Sample taking</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> Swabbing Desk staff are advisers only. Subjects self administer test Disinfectant wipes and sanitizer gel used before test Subjects wear masks and staff wear full PPE Normal controls of distancing apply Regular cleaning of testing area 	1	4	4	DT Dept producing vial stands to add stability to vials of test swab and solution.
4	Contact between sample and test centre runner increasing the transmission of COVID19: <u>Sample transport</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> PPE to be worn by all testing team. Mask/ shield /gloves / apron Testing room venue to have mandatory mask wearing except for during actual swabbing. Wipes and sanitizer available at all sections of the testing process Distancing to be maintained at all times Regular cleaning of testing area 	1	4	4	No
5	Contact between samples and sample testers increasing the transmission of COVID19: <u>Sample processing & analysis.</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> PPE to be worn by all testing team. Mask/ shield /gloves / apron Testing room venue to have mandatory mask wearing except for during actual swabbing. Wipes and sanitizer available at all sections of the testing process Distancing to be maintained at all times Regular cleaning of testing area 	1	4	4	No
6	Contact between samples and sample testers increasing the transmission of COVID19: <u>Sample disposal and waste disposal</u>	Transmission of the virus leading to ill health or potential death	<ul style="list-style-type: none"> PPE to be worn by all testing team. Mask/ shield /gloves / apron Testing room venue to have mandatory mask wearing except for during actual swabbing. Wipes and sanitizer available at all sections of the testing process Distancing to be maintained at all times Regular cleaning of testing area 	1	4	4	No
7	Incorrect result communication	Wrong samples or miscoding of results	<ul style="list-style-type: none"> 2 identical barcodes are provided to subject at check in The subject registers their details to a unique ID barcode before conducting the test Barcodes are attached by trained staff at the sample collection bay Barcodes are checked for congruence at the analysis station 1 and applied to Lateral Flow Device at this station 	1	3	3	No

8	Damaged barcode, lost LFD, failed scan of barcode	Orphaned record on registration portal & No result communicated to individual	<ul style="list-style-type: none"> Recall of subjects who have not received a result within 24 hrs of registration Subjects are called for a retest 	1	3	3	No
9	Extraction solution which comes with the lab test kit contains the following components: Na_2HPO_4 (disodium hydrogen phosphate), NaH_2PO_4 (sodium phosphate monobasic), NaCl (Sodium Chloride)	These components do not have any hazard labels associated with them, and the manufacturer states that there are no hazards anticipated under conditions of use as described in other product literature. This is the case for exposure to: eye, skin, inhalation, ingestion, chronic toxicity, reproductive and developmental toxicity, carcinogenicity, and medical conditions aggravated by exposure.	<ul style="list-style-type: none"> PPE: nitrile gloves which meet the Regulation (EU) 2016/425 to be used at all times when handling the extraction solution. Eye protection provided by Government will be used by processors. Aprons provided by Government to be used by processors. Environmental: do not let product enter drains. Spillages: wipe surfaces which the solution has been spilt on and dispose of cleaning material in line with the lab's waste disposal procedures. Do not use if the solution has expired Training to be provided in handling potentially biohazardous samples, chemicals and good lab practice. Adhere to guidelines in these training procedures to prevent improper handling. Follow procedures on the MSDS form provided by Innova to mitigate against inhalation, skin contact or ingestion of these chemicals. 	1	4	4	No
11	Manual handling	Mass supplies will be transported by caretakers	<ul style="list-style-type: none"> Caretaking staff have received manual handling training 	1	1	1	No
12	Unauthorised access by members of the public	Testing room is away from the public entrance to school	<ul style="list-style-type: none"> Entrance to the testing site is at the rear of the school, and is away from the school boundary and public areas. Registration will take place just inside the door and therefore access will be controlled 	1	2	2	No
13	Uneven surfaces (floor protection in the Testing and Welfare areas)	Hard floor surfaces are in all areas of the testing site	<ul style="list-style-type: none"> Hard floor surfaces are present in all areas and provide easy surfaces to clean. 	1	1	1	No

17	Use of shared equipment	The process will minimize items passed between the testing team	<ul style="list-style-type: none"> The process minimizes item exchange PPE will be worn and sanitizer and disinfectant wipes used on transferable items. 	1	4	4	No
18	Incorrect result communication	Wrong samples or miscoding of results	<ul style="list-style-type: none"> 2 identical barcodes are provided to subject at check in The subject registers their details to a unique ID barcode before conducting the test Barcodes are attached by trained staff at the sample collection bay Barcodes are checked for congruence at the analysis station 1 and applied to Lateral Flow Device at this station 	1	3	3	No
19	Damaged barcode, lost LFD, failed scan of barcode	Orphaned record on registration portal & No result communicated to individual	<ul style="list-style-type: none"> Recall of subjects who have not received a result within 24 hrs of registration Subjects are called for a retest 	1	3	3	No
20	Extraction solution which comes with the lab test kit contains the following components: Na_2HPO_4 (disodium hydrogen phosphate), NaH_2PO_4 (sodium phosphate monobasic), NaCl (Sodium Chloride)	These components do not have any hazard labels associated with them, and the manufacturer states that there are no hazards anticipated under conditions of use as described in other product literature. This is the case for exposure to: eye, skin, inhalation, ingestion, chronic toxicity, reproductive and developmental toxicity, carcinogenicity, and medical conditions aggravated by exposure.	<ul style="list-style-type: none"> PPE: nitrile gloves which meet the Regulation (EU) 2016/425 to be used at all times when handling the extraction solution. Safety glasses with side shields which are tested and approved under appropriate government standards to be worn at all times when handling the extraction solution. Impervious clothing to be worn to protect the body from splashes or spillages. Environmental: do not let product enter drains Spillages: wipe surfaces which the solution has been spilt on and dispose of cleaning material in line with the lab's waste disposal procedures Do not use if the solution has expired Training to be provided in handling potentially biohazardous samples, chemicals and good lab practice. Adhere to guidelines in these training procedures to prevent improper handling. Follow procedures on the MSDS form provided by Innova to mitigate against inhalation, skin contact or ingestion of these chemicals. 	1	3	3	No

Control Improvements				
Action No	Recommended additional control measures	Responsibility	Target Date	Date completed
1	Content of the risk assessment to be communicated with all workers as part of induction	Team Leader	12/1/21	
2	Covid Testing team encouraged to suggest system and safety changes to enhance the process	Team Leader	Ongoing	

Additional Notes

Risk Evaluation

		Consequence of event occurring (Severity)				
		Negligible	Minor	Moderate	Major	Critical
Likelihood of event occurring (Probability)	Almost Certain	Tolerable 5	Substantial 10	Intolerable 15	Intolerable 20	Intolerable 25
	Likely	Tolerable 4	Substantial 8	Intolerable 12	Intolerable 16	Intolerable 20
	Possible	Trivial 3	Tolerable 6	Substantial 9	Intolerable 12	Intolerable 15
	Unlikely	Trivial 2	Tolerable 4	Tolerable 6	Substantial 8	Substantial 10
	Rare	Trivial 1	Trivial 2	Trivial 3	Tolerable 4	Tolerable 5

Likelihood

Rare, will probably never happen/recur

Unlikely, do not expect it to happen, but is possible

Possible, Might happen

Likely, will probably happen

Almost Certain, will undoubtedly happen

Severity

Negligible

Minor

Moderate

Major

Critical

Risk control strategies

Intolerable – stop activity, take immediate action to reduce the risk

Substantial - Take action within an agreed period

Tolerable – monitor the situation

Trivial – No action required

Declaration - If the above control measures are implemented the risks posed by the task / process / environment assessed will be controlled to as low as is reasonably practicable.	
Persons involved in assessment	Keith Rendell 11/01/2021
Signature of Lead Assessor	

Reviews – this assessment should be reviewed at intervals no greater than 12 months or when there are changes in operational procedure, personnel, the work environment or following an incident

Review date	Comments	Reviewed by	Signature	Review date	Comments	Reviewed by	Signature

Health and Safety Risk Assessment Sign off Sheet	Assessment Number	
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Declaration by employees involved in the activity detailed above – I fully understand the activity outlined above and the risk control measures that I must implement, use or wear. I have received sufficient information, instruction and training so as to enable me to conduct this activity with the minimum of risk to myself and others.

